

Notice of Allowability

Application No.

09/412,447

Applicant(s)

CAIN ET AL.

Examiner

Art Unit

Adnan M Mirza

2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/14/2004.
2. ☒ The allowed claim(s) is/are (1,5-8,10-12,16-19,21-23,27-30,32-34,37-38,41,44-45,48,51-52).
3. ☒ The drawings filed on 14 October 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


ZARNI MAUNG
SUPERVISORY PATENT EXAMINER

Allowance

1. Claims (1,5-8,10-12,16-19,21-23,27-30,32-34,37-38,41,44-45,48,51-52) are allowed.

2. The following is an examiners statement of reasons for allowance:

The prior art references most closely resembling the Applicant's claimed invention was Corbin (U.S. 5,881,241) and Bellenger (U.S. 5,802,054).

First Corbin disclosed a system for registering a number of routes for which exceptional processing is desired. If a received packet matches one of the registered routes in the Corbin system, that packet is processed by the receiving system in accordance with processes or functions associated with that registered route. The system described by Corbin is intended to provide an improvement over previous systems, which passed each packet to the same set of layered processing points, regardless of the actions or routines appropriate to that specific packet or route. However Corbin failed to disclose "a first value indicating that at least one of the routes in the given set of routes has changed, wherein each route in the set of routes includes an associated sequence number, the first value being a checksum that is a function of at least one of this sequence numbers". These limitations are incorporated in all independent claims (1,12,23,34,41,48).

Second Bellenger disclosed that routing a received a frame to a default address may alternatively involve attachment of a switch route header to the received frame to direct frame to the default

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address, or forwarding the frame at a default port in the local node, such that the next node in the mesh to receive the frame also looks it up in its won route table to determine whether the frame is recognized. However Bellenger failed to disclose “ a first value indicating that at least one of the routes in the given set of routes has changed, wherein each route in the set of routes includes an associated sequence number, the first value being a checksum that is a function of at least one of this sequence numbers”.

In summary, the Examiner submits that the amended claims over come the prior art and there is no motivation to combine the aforementioned references therefore claims (1,5-8,10-12,16-19,21-23,27-30,32-34,37-38,41,44-45,48,51-52) have been deemed allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement for Reasons for Allowance”

AM 04/11/05


ZARNI MAUNG
PROVISORY PATENT EXAMINER